

=> s donepezil/cn
L1 1 DONEPEZIL/CN

=> d

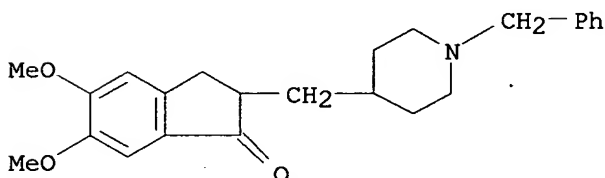
L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 120014-06-4 REGISTRY
ED Entered STN: 07 Apr 1989
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN (±)-E 2020
CN 1-Benzyl-4-[(5,6-dimethoxy-1-oxoindan-2-yl)methyl]piperidine
CN Donepezil
DR 142057-79-2
MF C24 H29 N O3
CI COM
SR CA
LC STN Files: ADISINSIGHT, ADISNEWS, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHM, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK*, MSDS-OHS, PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: WHO



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

640 REFERENCES IN FILE CA (1907 TO DATE)
16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
648 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil stnguide

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.10	7.94

FULL ESTIMATED COST

FILE 'STNGUIDE' ENTERED AT 13:18:43 ON 19 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Oct 13, 2006 (20061013/UP).

=> FILE REG

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.24	8.18

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 13:21:02 ON 19 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 18 OCT 2006 HIGHEST RN 910777-14-9
DICTIONARY FILE UPDATES: 18 OCT 2006 HIGHEST RN 910777-14-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> STR 120014-06-4

:END

L2 STRUCTURE CREATED

=> S L2 FAM FUL

FULL SEARCH INITIATED 13:21:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 159 TO ITERATE

100.0% PROCESSED 159 ITERATIONS 37 ANSWERS
SEARCH TIME: 00.00.01

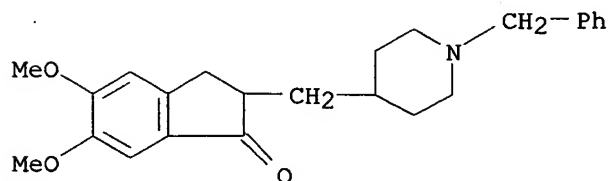
L3 37 SEA FAM FUL L2

=>

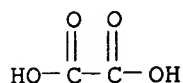
=> D SCAN

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-
piperidinyl)methyl]-, ethanedioate (9CI)
MF C24 H29 N O3 . x C2 H2 O4

CM 1

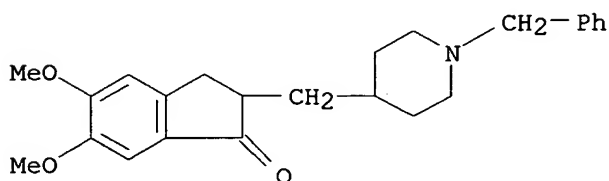


CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):36

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride, monohydrate (9CI)
MF C24 H29 N O3 . Cl H . H2 O



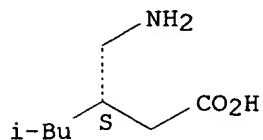
● HCl

● H₂O

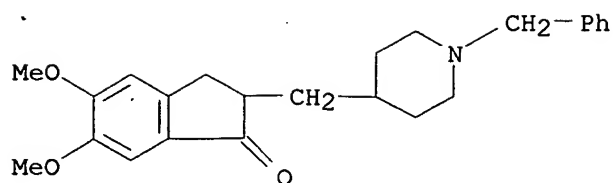
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Hexanoic acid, 3-(aminomethyl)-5-methyl-, (3S)-, mixt. with
2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one (9CI)
MF C24 H29 N O3 . C8 H17 N O2
CI MXS

CM 1

Absolute stereochemistry. Rotation (+).

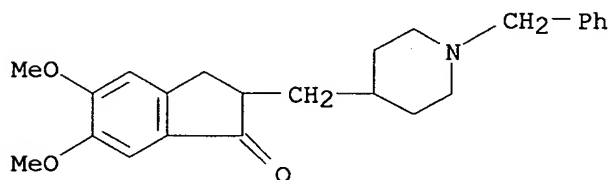


CM 2

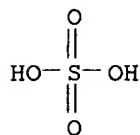


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, sulfate (1:1) (9CI)
 MF C24 H29 N O3 . H2 O4 S

CM 1

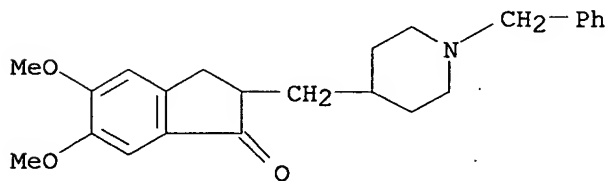


CM 2

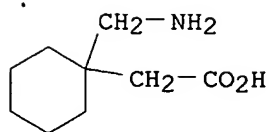


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Cyclohexaneacetic acid, 1-(aminomethyl)-, mixt. with 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one (9CI)
 MF C24 H29 N O3 . C9 H17 N O2
 CI MXS

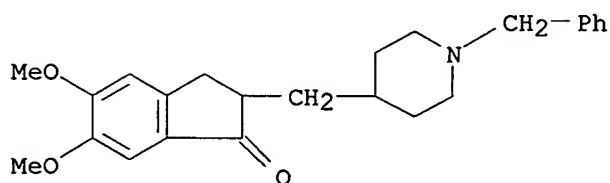
CM 1



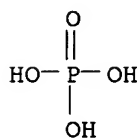
CM 2



L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, phosphate (1:1) (9CI)
 MF C24 H29 N O3 . H3 O4 P
 CM 1

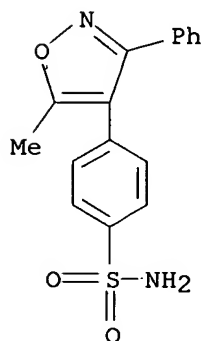


CM 2

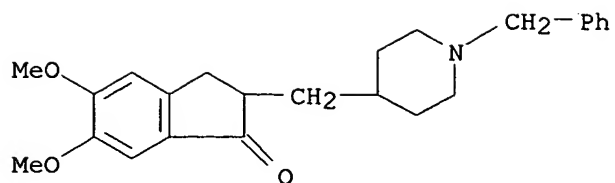


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Benzenesulfonamide, 4-(5-methyl-3-phenyl-4-isoxazolyl)-, mixt. with
 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-
 inden-1-one hydrochloride (9CI)
 MF C24 H29 N O3 . C16 H14 N2 O3 S . Cl H
 CI MXS

CM 1



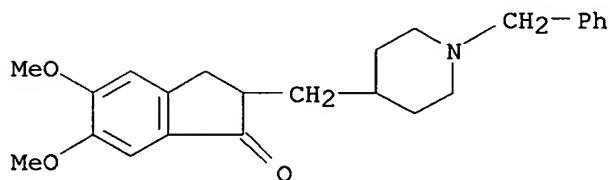
CM 2



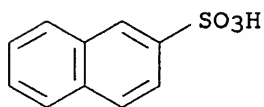
● HCl

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Naphthalenesulfonic acid, compd. with 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one (1:1) (9CI)
 MF C24 H29 N O3 . C10 H8 O3 S

CM 1

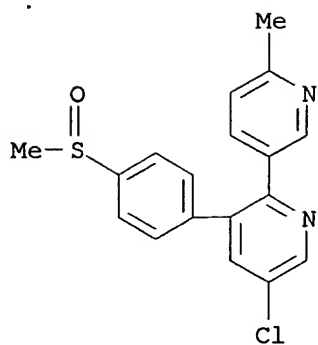


CM 2

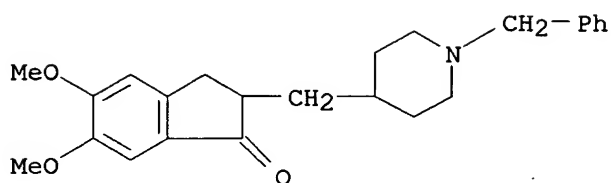


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, mixt. with 5-chloro-6'-methyl-3-[4-(methylsulfinyl)phenyl]-2,3'-bipyridine (9CI)
 MF C24 H29 N O3 . C18 H15 Cl N2 O S
 CI MXS

CM 1

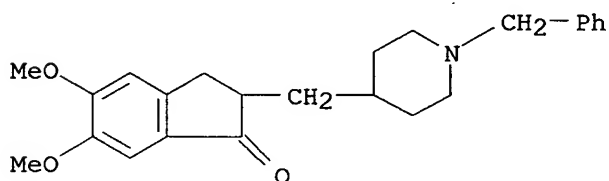


CM 2

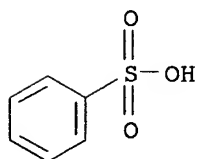


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, benzenesulfonate, compd. with ethanol (2:1) (9CI)
 MF C24 H29 N O3 . C6 H6 O3 S . 1/2 C2 H6 O

CM 1



CM 2

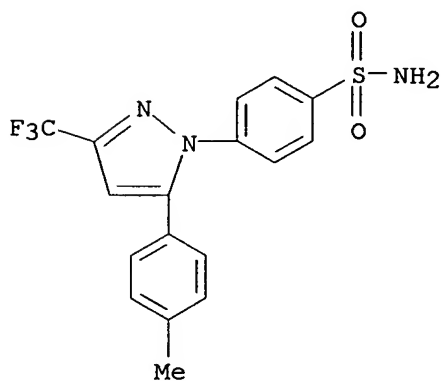


CM 3

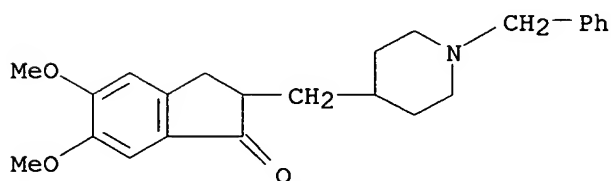
H₃C-CH₂-OH

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Benzenesulfonamide, 4-[5-(4-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]-, mixt. with 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one hydrochloride (9CI)
 MF C24 H29 N O3 . C17 H14 F3 N3 O2 S . C1 H
 CI MXS

CM 1



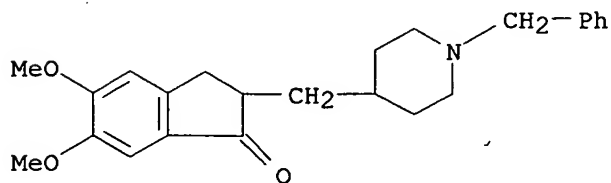
CM 2



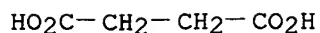
● HCl

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanedioic acid, compd. with 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one (1:1) (9CI)
 MF C24 H29 N O3 . C4 H6 O4

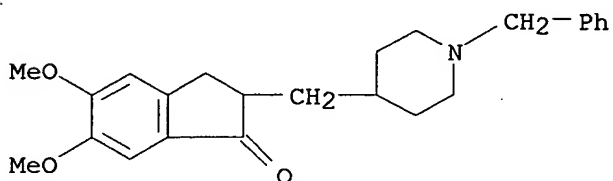
CM 1



CM 2



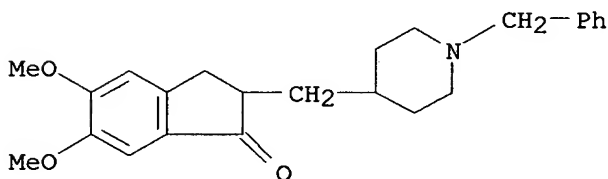
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrobromide (9CI)
 MF C24 H29 N O3 . Br H



● HBr

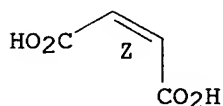
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, (2Z)-2-butenedioate, compd. with ethanol (1:1:?) (9CI)
 MF C24 H29 N O3 . C4 H4 O4 . x C2 H6 O

CM 1

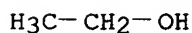


CM 2

Double bond geometry as shown.



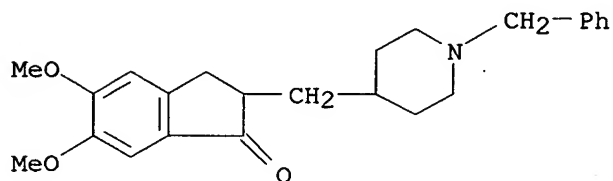
CM 3



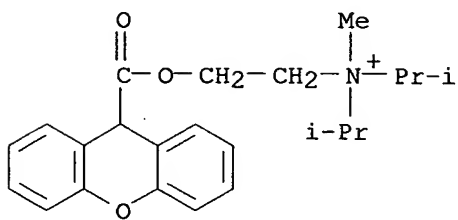
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Propanaminium, N-methyl-N-(1-methylethyl)-N-[2-[(9H-xanthen-9-

ylcarbonyl)oxy]ethyl]-, bromide, mixt. with 2,3-dihydro-5,6-dimethoxy-2-
[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one (9CI)
MF C24 H29 N O3 . C23 H30 N O3 . Br
CI MXS

CM 1



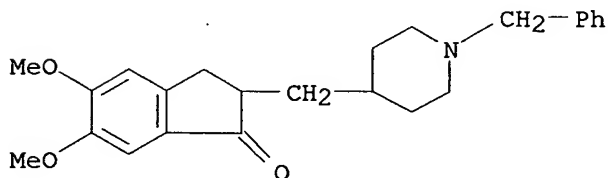
CM 2



● Br⁻

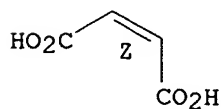
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-
piperidinyl]methyl]-, (2Z)-2-butenedioate (2:1) (9CI)
MF C24 H29 N O3 . 1/2 C4 H4 O4

CM 1

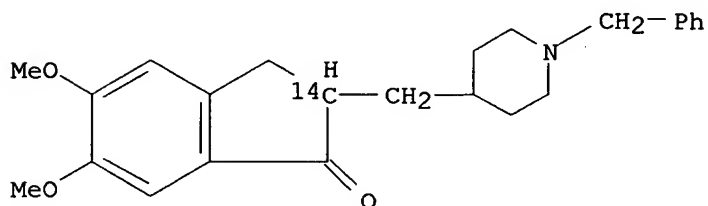


CM 2

Double bond geometry as shown.

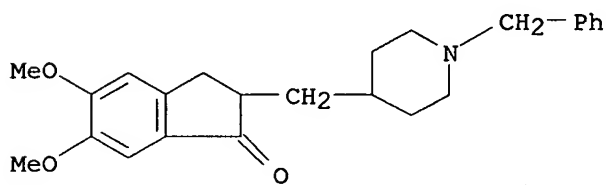


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one-2-14C, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]- (9CI)
 MF C24 H29 N O3
 CI COM

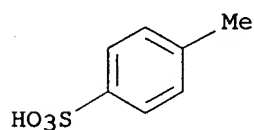


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, 4-methylbenzenesulfonate (9CI)
 MF C24 H29 N O3 . C7 H8 O3 S

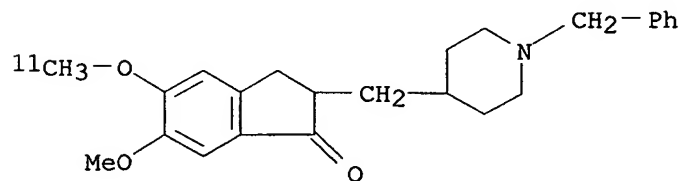
CM 1



CM 2



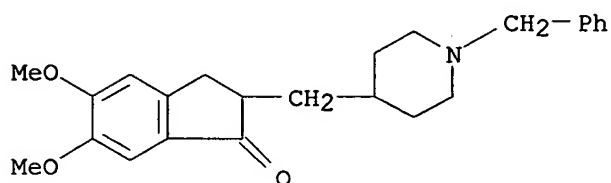
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-6-methoxy-5-(methoxy-11C)-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]- (9CI)
 MF C24 H29 N O3



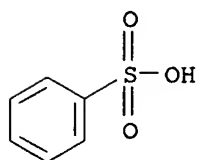
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, benzenesulfonate (9CI)
 MF C24 H29 N O3 . C6 H6 O3 S

CM 1

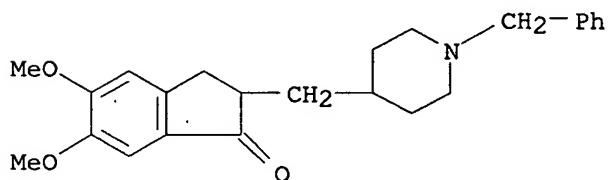


CM 2



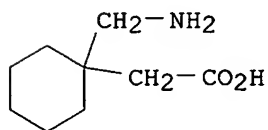
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Morphinan, 3-methoxy-17-methyl-, hydrobromide, (9α,13α,14α)-, mixt. with 1-(aminomethyl)cyclohexanecarboxylic acid and 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one hydrochloride (9CI)
 MF C24 H29 N O3 . C18 H25 N O . C9 H17 N O2 . Br H . Cl H
 CI MXS

CM 1



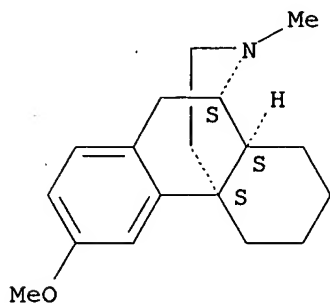
● HCl

CM 2



CM 3

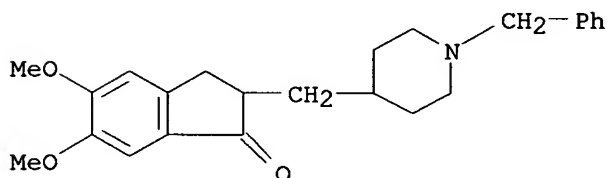
Absolute stereochemistry.



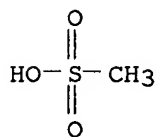
● HBr

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-
piperidinyl]methyl]-, methanesulfonate (9CI)
MF C24 H29 N O3 . C H4 O3 S

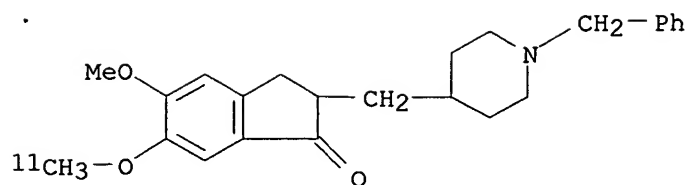
CM 1



CM 2

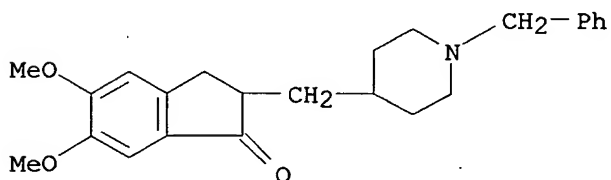


L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Inden-1-one, 2,3-dihydro-5-methoxy-6-(methoxy-11C)-2-[[1-(phenylmethyl)-
4-piperidinyl]methyl]- (9CI)
MF C24 H29 N O3



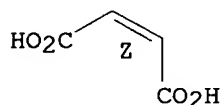
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, (2Z)-2-butenedioate (1:1) (9CI)
 MF C24 H29 N O3 . C4 H4 O4

CM 1



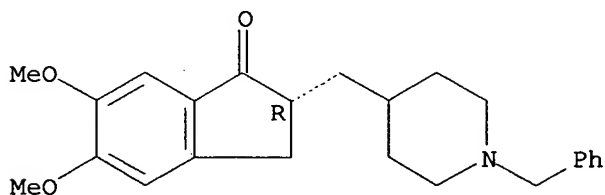
CM 2

Double bond geometry as shown.



L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, (2R)- (9CI)
 MF C24 H29 N O3
 CI COM

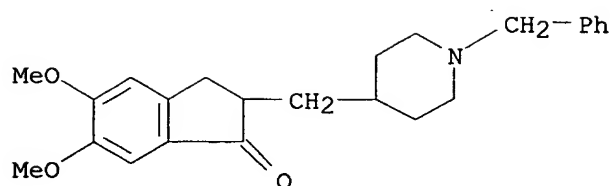
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

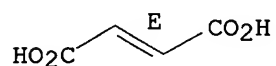
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, (2E)-2-butenedioate (1:1) (9CI)
 MF C24 H29 N O3 . C4 H4 O4

CM 1



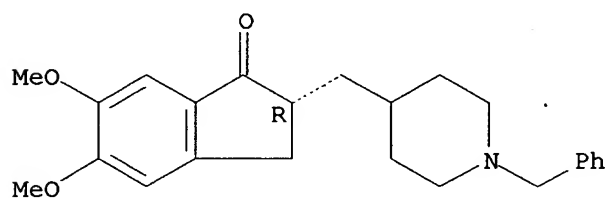
CM 2

Double bond geometry as shown.



L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride, (R)- (9CI)
MF C24 H29 N O3 . Cl H

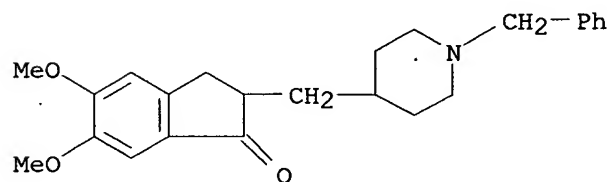
Absolute stereochemistry.



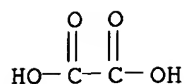
● HCl

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, ethanedioate (1:1) (9CI)
MF C24 H29 N O3 . C2 H2 O4

CM 1

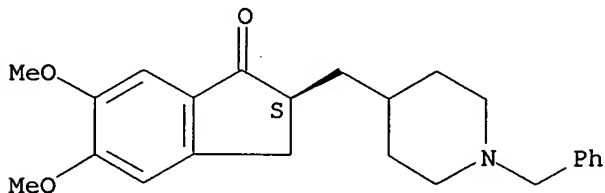


CM 2



L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, (2S)- (9CI)
 MF C24 H29 N O3
 CI COM

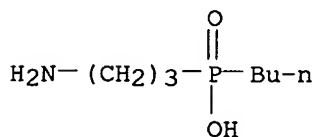
Absolute stereochemistry.



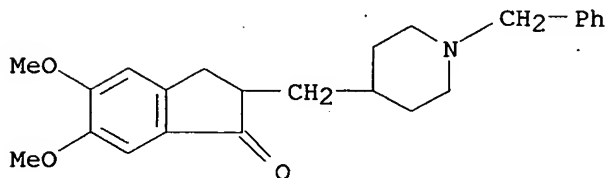
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Phosphinic acid, (3-aminopropyl)butyl-, mixt. with 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one (9CI)
 MF C24 H29 N O3 . C7 H18 N O2 P
 CI MXS

CM 1

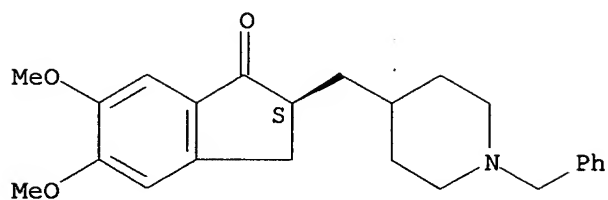


CM 2



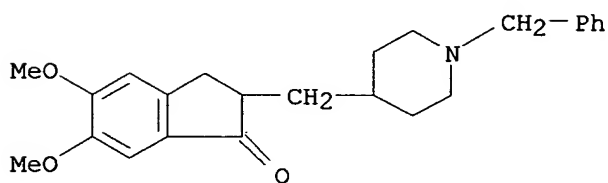
L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride, (S)- (9CI)
 MF C24 H29 N O3 . Cl H

Absolute stereochemistry.



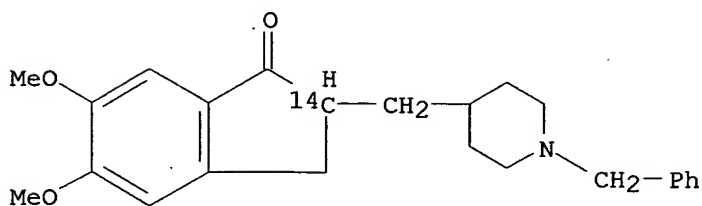
● HCl

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, tetrahydrate (9CI)
 MF C24 H29 N O3 . 4 H2 O



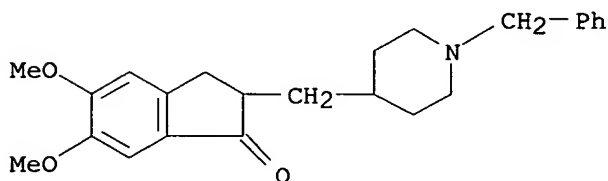
● 4 H2O

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one-2-¹⁴C, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride (9CI)
 MF C24 H29 N O3 . Cl H



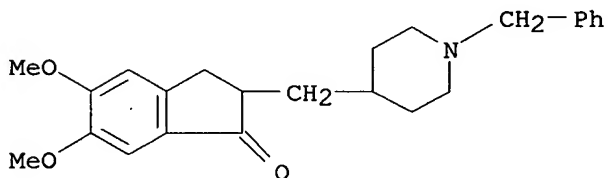
● HCl

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrate (9CI)
 MF C24 H29 N O3 . x H2 O



● x H₂O

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]- (9CI)
 MF C24 H29 N O3
 CI COM

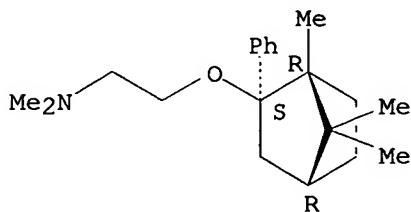


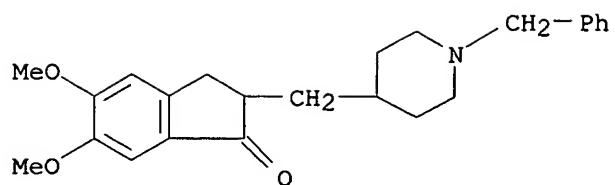
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, mixt. with N,N-dimethyl-2-[[[(1R,2S,4R)-1,7,7-trimethyl-2-phenylbicyclo[2.2.1]hept-2-yl]oxy]ethanamine (9CI)
 MF C24 H29 N O3 . C20 H31 N O
 CI MXS

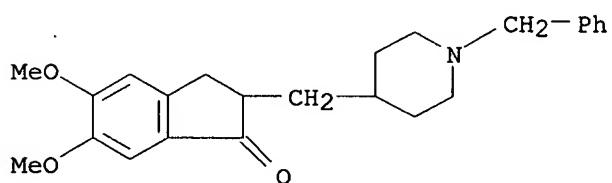
CM 1

Absolute stereochemistry. Rotation (-).





L3 37 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-
 piperidinyl]methyl]-, hydrochloride (9CI)
 MF C24 H29 N O3 . Cl H
 CI COM



● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED